cherry / see / reames architects PC
220 gold avenue sw, albuquerque, nm 87102 505.842.1278 fax 505.766.9269

ADDENDUM NO.5

Date: 02/19/21

ALBUQUERQUE PUBLIC SCHOOLS

PROJECT - ECA @ CEC Modernization, Renovation & Addition
807 Mountain Road NE
Albuquerque, NM, 87102

STATE OF NEW MEXICO
TINA M. REAMES
NO. 3772
REGISTERED ARCHITECT
2/19/21

RFP NO. 21-032 RRR
APS PROJECT # 507
NIGP Code: 90927; 90928; 909

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of the Contract Documents and modifies or supplements the Project Manual or the Drawings as indicated below.

All other provisions of the Contract Documents shall remain unchanged. This Addendum is hereby made a part of the Contract Documents to the same extent as those provisions contained in the original documents and all itemized listings thereof.

Each bidder shall acknowledge receipt of the Addendum Number Five (5) on the Bid Proposal Form in the space provided.

GENERAL

a. The PV Contractor will be hired by APS – the GC will be required to coordinate with PV Contractor.

b. For Roofing Operations of the Remaining 1975 portions, the building WILL NOT be occupied during normal working hours underneath.

c. Architectural and Engineering Revit models/files will be made available to the contractor for BIM coordination process by the Contractor. An electronic media release will need to be signed by all parties.

d. LOAD TESTING PILES CLARIFICATION: Test one pile per pile cap. Specification stated test piles are located on drawings but should be up to installer.

e. QUESTION: We are interested in bidding the micropile scope on this project. I accessed the RFP and addenda and only saw a few plan sheets in Addendum #2. Are there additional plan sheets of the planned work?
ANSWER: We do not have additional plan sheets.

f. **CORRECTION to Addendum #3 Permitting Fee Amount:** Use $14,592.00 for the building permit fee NOT $132.00.

SPECIFICATIONS

ADD APPENDIX D revised first page of BID PROPOSAL FOR LUMP SUM CONTRACT, to include additional lines for Addendum No. and date, see **EXHIBIT 01.**

Section 07 2100 – Built-Up Asphalt Roofing Over Insulation

a. **QUESTION:** 2 F under roofing insulation - Minimum R30 is called out. On the plans it is stated to provide a minimum of 6" rigid insulation. Rigid insulation at 6" will give the roof a minimum R-34.8, and an additional average R-30+ with the taper system. Should the roof be bid at specified Minimum R -30 (5.2" of rigid insulation) or at 6" rigid insulation (R-34.8 minimum) as indicated on plans?
ANSWER: Bid as indicated on plans – 6" rigid insulation. The specified R-30 is a minimum aged R-value.

Section 07 5110 – Built-Up Asphalt Roofing Over Insulation

a. Addendum No. 2 clarified that this is NOT a LEED Project. See Section 2.03.B.3. for acceptable mineral surfaced fiberglass cap sheets.

Section 07 5130– Built-Up Asphalt Roofing over LWC

a. CLARIFICATION regarding 2.03 Temporary Roof: APS Roof Design Guidelines and specifications says what to do at the end of the day and what is to be expected. whether you do it depends on where you leave off each day.
b. Addendum No. 2 clarified that this is not a LEED Project. See Section 2.04.B.3. for acceptable mineral surfaced fiberglass cap sheets.

Section 07 6000 – Sheet Metal Coping System

a. 2.1.A.1. REPLACE with "Locally manufactured coping meeting the Performance Requirements will be acceptable."

Section 07 6200 – Sheet Metal Flashing and Trim

a. Part 2 – Products – ADD "Locally manufactured Sheet Metal Flashing and Trim meeting the Performance Requirements has been acceptable to the Owner on previous projects."

Section 07 7660 – Roof Pavers

a. CHANGE 3.5.A. to read "Apply concrete sealer to pavers. Use Armor AR350 or equal. Follow manufacturers recommendations for application."

Section 08 7100 – Finish Hardware

a. HARDWARE SET 25 CLARIFICATION:
The WIK bollard specified, RD15 – BPR8SMRBAINAP32D – will be provided by APS's Special System Contractor, not in the GC scope. However, the GC will have to coordinate installation as well as any concrete demo associated with the bollard and conduit.

Section 08 8000 – Glazing

a. ADD the following (taken from the current APS Standards) to the Glazing Schedule:

NOTE: Building Envelope Glass shall consist of industry standard Insulated Glazing Units (IGU's). Unit construction shall consist of 2 types of units identified as Impact Resistant and Industry Standard units:

Impact Resistant Glass shall be utilized in areas subject to high impact exposure. Areas include: ground level glass panels, perimeter doors, other areas accessible from ground
- Ground Level Glass Panels.
- Perimeter Doors & Sidelights.
- Any other areas identified as accessible glass providing a potential entry point into a facility.

Impact resistant glass shall consist of a laminated exterior pane / tempered interior pane.

Non-Impact Resistant Glass shall be utilized in areas less vulnerable to high impact exposure. Areas include glass above ground level, clerestory windows and within area with controlled access such as secure courtyards.
- Above Ground Level Glass Panels.
- Clerestory Windows.
- Within areas under controlled access such as secure courtyards, or other secure ground level locations.

Non-impact resistant glass shall be industry standard tempered / tempered ICU units.

DRAWINGS

AS-102

a. KN#5 CHANGE "See sheet AS-501" to "See sheet AS-502."

CS-101

a. CLARIFICATION: KN#8 calls to "remove & dispose of existing acid neutralization pit". Acid neutralization tank is being removed and not replaced.

S-001

a. CLARIFICATION: Micro Piles, Casing should be used per IBC 2015. Specialist to determine whether to use a full casing or only to take it to point of zero curvature.
b. CLARIFICATION: 3000 psi and is used for the footing, closure pour, and 2nd floor. ALL areas to be polished are 4000psi, the spec overrides S-001.
c. QUESTION**:** Wind Uplift Pressures required under IBC 1603.1.4, Item 5 are provided on page S-001 Under CODE. Pressures listed at Design Wind Pressure for Components and Cladding seem low or without a Safety Factor.
Are these the Wind Uplift Pressures to be utilized for the Roofing Assembly and Coping?
ANSWER: Use the table below:

DESIGN WIND PRESSURE FOR MWFRS 45.6 PSF END ZONE,
30.2 PSF INTERIOR

DESIGN WIND PRESSURE FOR COMPONENTS AND CLADDING :

WALL CORNER = 45.3 PSF, -83 PSF
WALL FIELD = ±45.3 PSF
ROOF CORNER = -141.7 PSF
ROOF EDGE = -104 PSF
ROOF FIELD = -66.2 PSF

S300

a. Detail 1 CLARIFICATION: The center portion (between grid lines B and 20F) of the concrete slab-on-grade shall be noted as New Concrete Slab. See architectural notes on AD101 and A-103 for concrete floor in Room 112.

AD-101

a. CHANGE KN 1 to read, “REMOVE DOOR AND FRAME. ONLY SALVAGE HARDWARE TO OWNER.”
b. Legend item “RECESSED FLOOR LEVEL TO BE PREPPED FOR INFILL”. **REPLACE** with “RECESSED CONCRETE FLOOR TO BE REMOVED. AREA TO BE PREPPED FOR NEW CONCRETE FLOOR.”
c. Legend item “RAISED CONCRETE PLATFORM TO BE REMOVED”. **REPLACE** with “RAISED CONCRETE PLATFORM TO BE REMOVED. AREA TO BE PREPPED FOR NEW CONCRETE FLOOR.”
d. CLARIFICATION: Demo of furniture and casework in the following spaces shall be removed from the GC’s Scope of work: 112.

A-001

a. At Typical Nursing Headwall Elevation, DELETE “MONITOR BRACKET, MOCK MEDICAL GAS OUTLETS, MOCK CODE BLUE BUTTON AND MOCK NURSE CALL BUTTON.” **REPLACE** with “HOSPITAL SYSTEMS INC. COGENT VERTICAL TRAINING HEADWALL (STANDARD CONFIGURATION) INSTALLED PER MANUFACTURER SPECIFICATIONS. NOTE: THESE ARE NOT PLUMBED DEVICES.”

A-103

a. Add Door #149B to south double doors at Mechanical Yard 149.
b. KN1, CHANGE A-407 to A-403.
c. REPLACE KN 15 text with “INSTALL X-ACTO MANUAL PENCIL SHARPENER ON WOOD BLOCK, WITH FIRE RETARDANT BLOCKING IN WALL BEHIND.”
d. REPLACE KN 8 with 5” CONCRETE SLAB, 4000 PSI. SURFACE TO BE FLUSH WITH ADJACENT. “
e. DELETE Legend Item depicting “NEW WALL”. See reissued Sheet A-101 in Addendum No. 4 for existing and new wall types and locations.

A-104

a. DELETE KN 9 text and replace with “INSTALL X-ACTO MANUAL PENCIL SHARPENER ON WOOD BLOCK, WITH FIRE RETARDANT BLOCKING IN WALL BEHIND.”

b. DELETE Legend Item depicting “NEW WALL”. See Sheet A-102 for new wall types and locations.

A-105

a. REISSUE SHEET, corrected ceiling elevations have been added and Detail E5/A105 has been revised see **EXHIBIT 02**.
b. CHANGE KN 1 to “6” METAL STUD.”
c. ADD KN 11: “SOFFIT BULKHEADS DIVIDING THE CEILING ARE 8’-0” AFF. SEE REVISED DETAIL E5/A105.”

A-107

a. Alterations to the roofing taper insulation layout will be accepted.

A-401

a. KN 13, ADD,” NEW WHIRLPOOL, 25 CU.FT. SIDE BY SIDE, MODEL # WRS335SDH OR EQUAL. Casework dimensions may need to be modified, field verify.”

A-406

a. KN 13, ADD “USE 10MM TEMPERED GLASS FOR SHELVING, MAXIMUM 5’-0” LENGTHS.”

A-503

a. **Clarification regarding ROOF DECK 235**
Inconsistencies between Structural Details 11/S-512 + 12/S-512 and Architectural Detail E3/A-503.
See **Exhibit 03** for reference.
The steel framing slopes down from grid line 203 to grid line 206 and then back up again to grid 208. The steel beam along grid 206 is level from grid A to grid 20C.

The area on the sketch marked in red is the portion of the slab that slopes towards the drain near grid 206 and will have a ½” recovery board directly on top of the concrete. The area on the sketch marked in blue is the portion of the slab that slopes the same as the orange part (north or south of Grid Line 206 respectively), but between the top of the concrete and the ½” recovery board, we are calling for tapered rigid insulation, forming a cricket that will slope to the drain in the East/West direction.

---

b. Detail 12/S-512 may not reflect this clearly, because the dimensions called out are at grid line 206. The lowest point. The 5” dimension is from finished floor to top of steel. The 4” dimension below that is from top of steel to top of concrete slab over the exterior deck, but that is a max. dimension and will vary as the slab slopes up to grids 203 and 208.

Detail E3/A-503 shows 5” between FF elevations. That is what we have along grids 203 and 208, but along grids A and 20C the Deck slab slopes down making it more than 5”. However, from the second floor FF slab to the top of the tapered rigid insulation is 5”. The Rigid insulation will be 4” thick at grid 206 and taper to 0 at grids 203 and 208. It will also be 0 at the drain.

c. QUESTION: There are two roof equipment curb details- C1/M-501 and E1/A-503. Which are we to use?

ANSWER: Detail E1/A-503 shows the roof curb construction shown in detail C1/M-501 KN 7, but C1/M-501 shows the additional sound dampening materials under the unit as well as the ducts thru roof. Both details are valid, as well as details 1 and 2 on S-512.

A-504

a. CLARIFICATION Details A1 and D2: KN 18 – Intent is to fasten to stud at new wall.

A-601

a. ADD Door H116A to Door schedule, see E2/AS502 for elevation and dimensions. NOTE: Hardware set 32 was included in Addendum #3.
b. ADD Door 149B to Door schedule, see B1/AS501 for elevation and dimensions. NOTE: Hardware set 20.1 was included in Addendum #3.
c. DELETE General note D.
d. DELETE Door Schedule (DEMO)

Sheet PD101 – Plumbing Demolition Floor Plan

a. General:
The natural gas meter is not being relocated. The intent is to connect the new 2" gas line at the existing meter location.
b. Change KN #5 per the attached **EXHIBIT 04**.
c. ADD KN #12 indicating the remove the acid neutralization pit.

Sheet PL101 – Plumbing Demolition Floor Plan

a. ADD KN #2 and #5 per attached **EXHIBIT 05**.

Sheet PL131 – Plumbing Roof Plan

a. Gas piping shall be painted safety yellow per keynote #1.

Sheet ED101 – Electrical Demolition Floor Plan

a. ADD additional demolition requirements per attached **EXHIBIT 06**.

Sheet EP101 – Power Floor Plan

a. ADD electrical information per attached **EXHIBIT 07** to cover recent abatement.

Sheet ET101 – Special Systems Floor Plan

a. ADD data information per attached **EXHIBIT 08** to cover recent abatement.
b. CLARIFY fire alarm general notes to include Sound and Signal drawings.

Sheet ET102 – Special Systems Second Floor Plan

a. CLARIFY fire alarm general notes to include Sound and Signal drawings, see attached **EXHIBIT 09.**

Prior Approvals

ELECTRICAL

The following manufacturers' equipment may be considered for use on this project (they have received prior approval subject to the following): The Engineer may allow minor deviations subject to the Engineer's judgment as to whether such deviations would detract from the quality, reliability or function of the equipment. The equipment manufacturer shall be responsible for any

and all redesign required to accommodate their equipment. All drawings and calculations detailing the deviations from the plans and specifications shall be submitted to the Engineer with the shop drawings for approval. Prior approval of other manufacturers' equipment shall in no way relieve the Contractor of responsibility for submitting the specified shop drawings for approval or complying fully with all provisions of the specifications and drawings. If prior approved equipment is used, the contractor shall, at their own expense, make any changes or additions in the structures, piping, electrical, etc. as necessary to accommodate the equipment. If engineering is required due to substitution of prior approved equipment, the contractor shall furnish and pay for all such engineering services. No qualifications or exceptions listed in prior approval submittals shall in any way alter or serve as substitute provisions relative to this contract.

FIXTURE TYPE	MANUFACTURER
EM	EVENLITE, ISOLITE, COMPASS
EX1	EVENLITE, ISOLITE
KLS	HE WILLIAMS, LIRON, MPS
L22	HE WILLIAMS, METALUX, LCAT
L24	HE WILLIAMS, METALUX, LCAT
M24	HE WILLIAMS, METALUX
PLB	LUXILUMINAIRE, ZUMTOBEL, LUMENWERX
RD2	HE WILLIAMS, PATHWAY, VANTAGE LIGHTING
SP4	LUXILUMINAIRE, ZUMTOBEL, LUMENWERX
SP8	LUXILUMINAIRE, ZUMTOBEL, LUMENWERX
SR4	LUXILUMINAIRE, ZUMTOBEL, LUMENWERX
SR6	LUXILUMINAIRE, ZUMTOBEL, LUMENWERX
SR7	LUXILUMINAIRE, ZUMTOBEL, LUMENWERX
SR8	LUXILUMINAIRE, ZUMTOBEL, LUMENWERX
SR9	LUXILUMINAIRE, ZUMTOBEL, LUMENWERX
SRL	LUXILUMINAIRE, ZUMTOBEL, LUMENWERX
SW2	SONARY, GVA, LUMENWERX
SW3	SONARY, GVA, LUMENWERX
SW4	SONARY, GVA, LUMENWERX

INDIVIDUAL LIGHTING CONTROLS MAY BE SUBSTITUTED, HOWEVER THE RELAY LIGHTING CONTROLS SHALL BE AS SPECIFIED, "NO EQUAL".

This addendum consists of seventeen (17) pages including nine (9) Exhibits of which there are one (1) 8-1/2" x 11 **BID DOCUMENT**, one (1) 11 x 17 color sketch, and seven (7) full sized 24" x 36" drawing sheets.

A. Exhibit 01 – BID PROPOSAL FOR LUMP SUM CONTRACT – APPENDIX D (1 page)
B. Exhibit 02 – Sheet A-105 – Reflected Ceiling Plan – Level 1
C. Exhibit 03 – Roof Deck 235 Sketch (color)
D. Exhibit 04 – PD101 - Plumbing Demolition Floor Plan
E. Exhibit 05 – PL101 – Waste and Vent Floor Plan
F. Exhibit 06 – ED101 – Electrical Demolition Floor Plan
G. Exhibit 07 – EP101 – Power Floor Plan
H. Exhibit 08 – ET101 – Special Systems Floor Plan
I. Exhibit 09 – ET102 – Special Systems Second Floor Plan

Each bidder shall acknowledge receipt of this Addendum No. Five (5) on the Bid Proposal form in the space provided.

END OF ADDENDUM No. 5

Cherry/See/Reames Architects, PC

By_____
Tina M. Reames, FAIA, President

BID PROPOSAL FOR LUMP SUM CONTRACT

Date of Proposal: _____

New Mexico State Contractor's License No. _____

License Classifications: _____

Resident Contractor's Preference Certificate No. _____

Veteran Resident Contractor Preference Certificate No. _____

Percent of preference qualified for: _____(10%).

NOTE: Attach a copy of the valid certificate and documentation to validate percent preference.

NM DOL (Workforce Solutions) Certificate No. _____

Contractor's New Mexico Gross Receipts Tax No. _____

Contractor's Federal Employee Identification No. _____

FD+C Project No. 507

Project Name: ECA @ CEC MODERNIZATION, RENOVATION AND ADDITION

Proposal of (company name): _____
(Hereinafter called the "Offeror") organized and existing under the laws of the State of New Mexico, doing business as a Corporation, Partnership or Individual. (Circle correct one).

To: Board of Education
Albuquerque Municipal School District Number 12
Bernalillo and Sandoval Counties, New Mexico (hereinafter called "APS") for:

The construction of ECA @ CEC MODERNIZATION, RENOVATION AND ADDITION

The undersigned, as an authorized representative for the Offeror named above, in compliance with the Request for Proposals for the construction of a ECA CEC Modernization, Renovation and Addition, FD+C Project No. 507, having examined the drawings and specifications, with related documents, and having examined the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project, including the availability of labor, materials and supplies, hereby proposes to furnish all labor, materials and supplies, and to construct the project in accordance with the contract documents at the bids stated below. These bids are to cover all expenses incurred in performing the work required under the contract documents, of which this proposal is a part.

The undersigned Offeror's representative also acknowledges receipt of the following Addenda:

Addendum No:___, dated _____, Addendum No:___, dated_____ , Addendum No:___, dated_____,

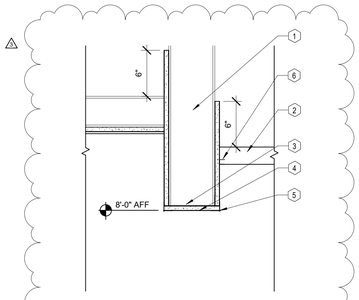
Addendum No:___, dated _____, Addendum No:____, dated_____

The following information is required for state reporting purposes only and will not be used in evaluating or awarding the contract. Is project material offered grown, produced or wholly manufactured in New Mexico? _____ (Yes/No) (Percentage; reference V-B-5 of the RFP)

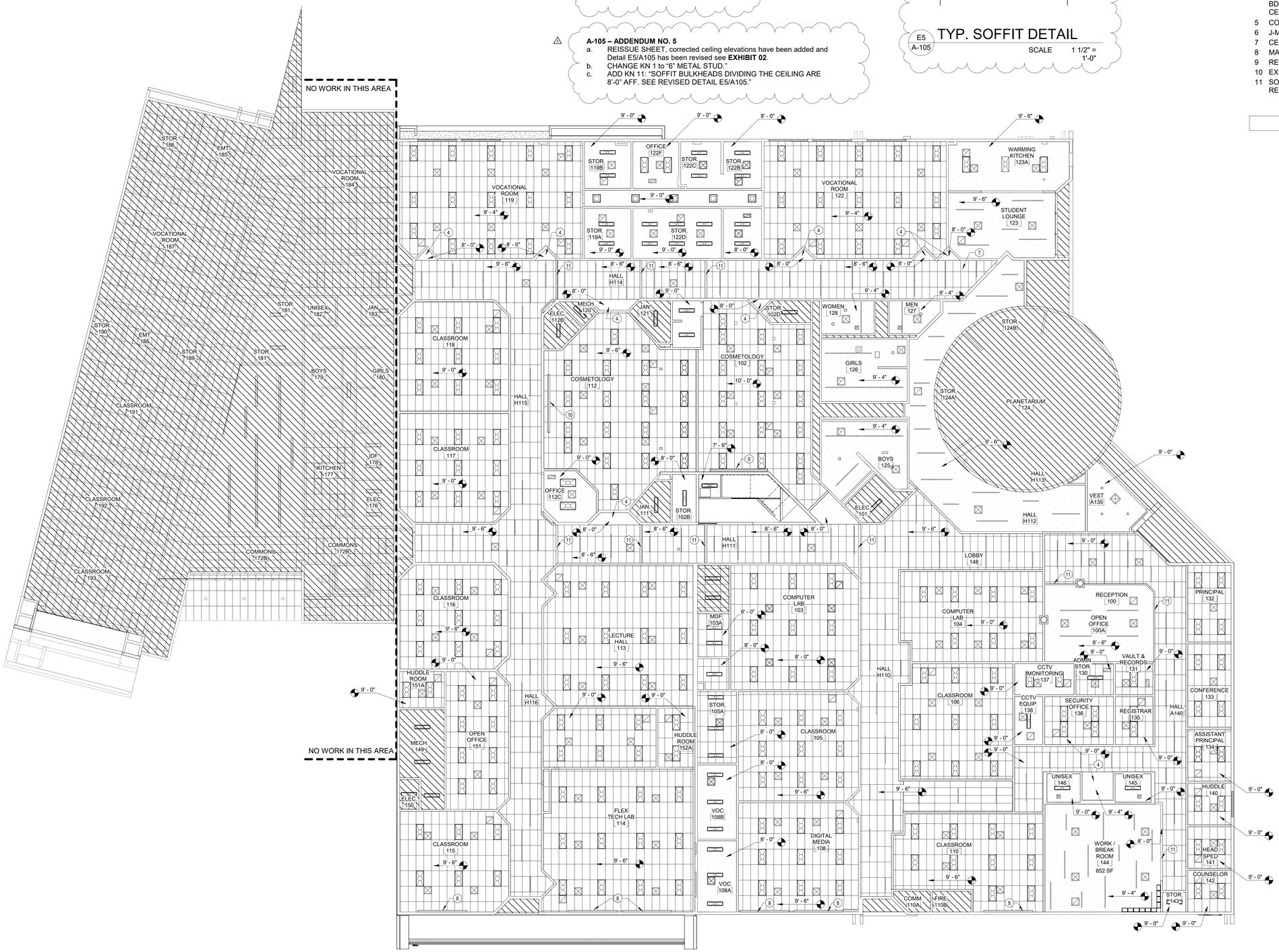
A-105 - ADDENDUM NO. 2
a. Add KN 9 "Relocate existing projection screen as shown."
b. Add KN 10 "Existing projection screen to remain." Place KN 10 bubble in Cosmetology 112 along west wall where project screen is shown.
c. There are nine (9) keynotes that printed blank on the plan. The keynotes revisions are outlined below:
1. Both soffits (2 locations) outside of Vocational Room 119 shall be KN 4.
2. The west soffit outside of Vocational Room 122 shall be KN 4.
3. Both soffits (2 locations) outside of Cosmetology 112 shall be KN 4.
4. The north soffit outside of Cosmetology 102 shall be KN 4.
5. The soffit outside of Unisex Restrooms 145 and 146 shall be KN 4.
6. The south side of Cosmetology 102 shall be KN 9.
7. Delete the blank keynote in Hall 114, just south of Storage 122D.

A-105 - ADDENDUM NO. 3
a. Delete Keynote 7 from Hall H114

A-105 – ADDENDUM NO. 5
a. REISSUE SHEET, corrected ceiling elevations have been added and Detail E5/A105 has been revised see **EXHIBIT 02**.
b. CHANGE KN 1 to "6" METAL STUD."
c. ADD KN 11: "SOFFIT BULKHEADS DIVIDING THE CEILING ARE 8'-0" AFF. SEE REVISED DETAIL E5/A105."



E5 / A-105 TYP. SOFFIT DETAIL
SCALE 1 1/2" = 1'-0"



A1 / A-105 REFLECTED CEILING PLAN - LEVEL 1
SCALE: 3/32" = 1'-0"

GENERAL SHEET NOTES

A. REFER TO SHEET A-001 FOR GENERAL ARCHITECTURAL INFORMATION.
B. COORDINATE WITH ELECTRICAL LIGHTING PLAN AND WITH MECHANICAL DRAWINGS. IN THE CASE OF A DISCREPANCY, CONTACT THE ARCHITECT.

SHEET KEYNOTES

1 6" METAL STUD.
2 2' X 4' SUSPENDED ACT CEILING
3 RUNNER TRACK.
4 GYPSUM BOARD SOFFIT, TEXTURE AND PAINT. AT TRANSITIONS BETWEEN DISPARATE CEILING HEIGHTS, METAL STUDS AND GYP BD TO EXTEND 6" MINIMUM ABOVE THE ADJACENT FINISHED CEILING, TYPICAL THROUGHOUT.
5 CORNER BEAD TYP.
6 J-METAL RUNNER 5/8"
7 CEILING OPEN TO STRUCTURE ABOVE.
8 MANUAL SHADE ROLLER. SEE SPECIFICATIONS.
9 RELOCATE EXISTING PROJECTION SCREEN AS SHOWN.
10 EXISTING PROJECTION SCREEN TO REMAIN
11 SOFFIT BULKHEADS DIVIDING THE CEILING ARE 8'-0" AFF. SEE REVISED DETAIL E5/A105.

LEGEND

EXISTING CEILING TO REMAIN
NEW 24" X 48" LAY-IN CEILING PANEL
NEW TEXTURED GYPSUM BOARD CEILING
NEW EXTERIOR STUCCO SOFFIT
NEW 2'X4' LAY-IN LIGHT FIXTURE, SEE ELECTRICAL
NEW RECESSED CANISTER LIGHT FIXTURE, SEE ELECTRICAL
NEW 1'X4' SURFACE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
NEW 1'X8' PENDANT LIGHT FIXTURE, SEE ELECTRICAL
NEW EXIT SIGN, SEE ELECTRICAL
SUPPLY AIR DIFFUSER
RETURN AIR GRILL
EXHAUST REGISTER / FAN
EXISTING WALLS
NEW WALLS

CHERRY/SEE/REAMES ARCHITECTS, PC
505 - 842 - 1278 fax 505 - 766 - 9269
www.cherryseereames.com

STATE OF NEW MEXICO
TINA M. REAMES
3772
REGISTERED ARCHITECT
01-08-2021

REVISED BY ADDEDNUM NO. 5
02/19/2021

ECA @ CEC Modernization, Renovation & Addition
807 Mountain Road NE
Albuquerque, NM 87102

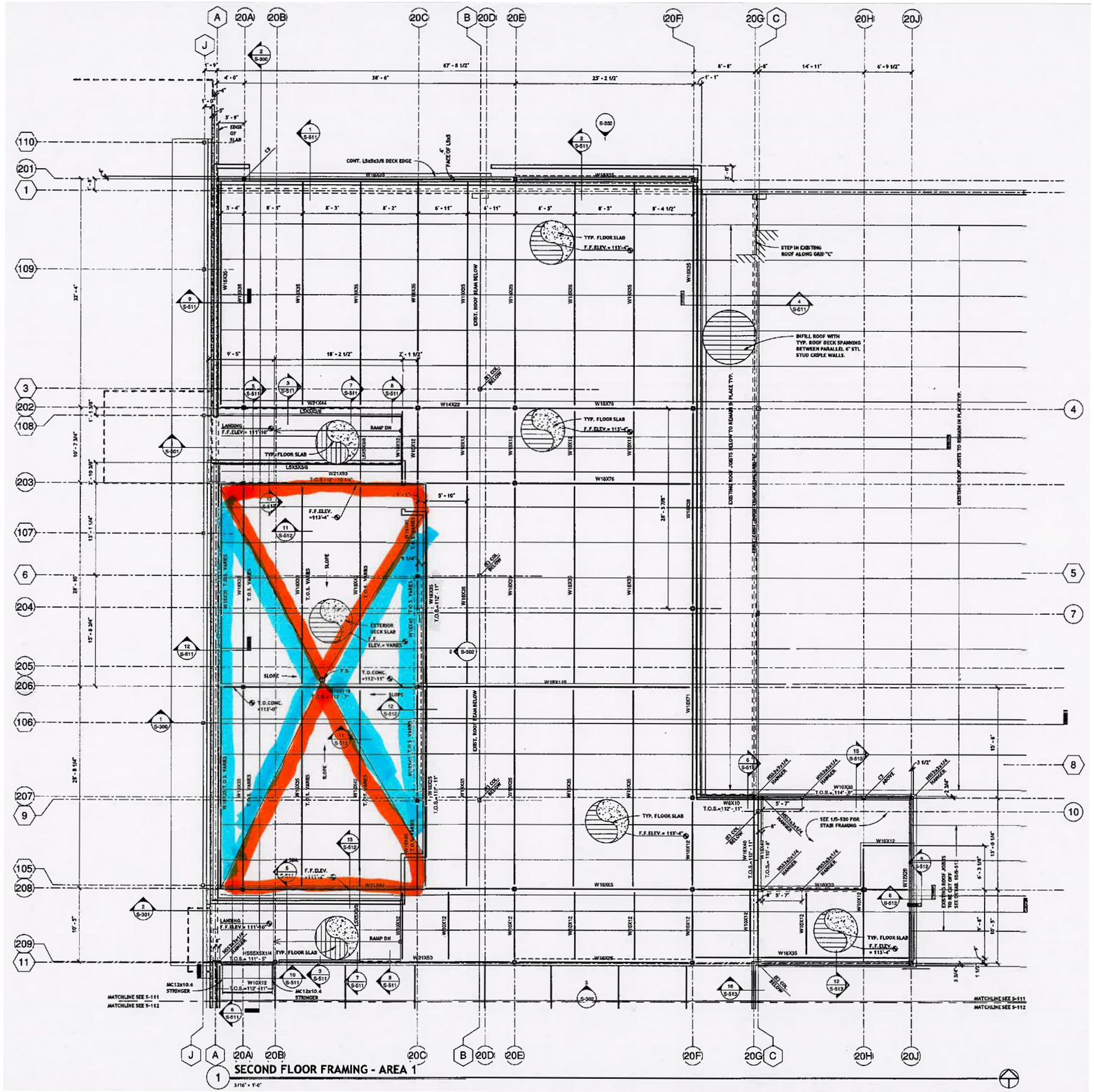
MARK	DATE	DESCRIPTION
1	02/09/2021	ADDENDUM NO 2
2	02/12/2021	ADDENDUM NO 3
3	02/19/2021	ADDENDUM NO 5

ISSUE:
MANAGEMENT BLOCK
PROJECT NO:
CAD DWG FILE:
DRAWN BY:
CHECKED BY:

REFLECTED CEILING PLAN - LEVEL 1

A-105

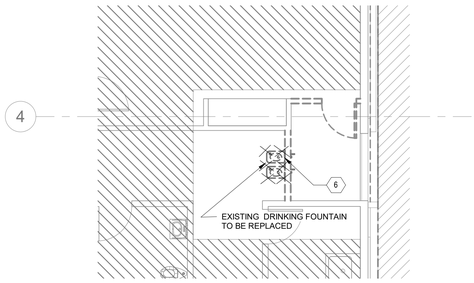
ADDENDUM No. 5
EXHIBIT 02



ROOF DECK 235 SKETCH

ADDENDUM No. 5

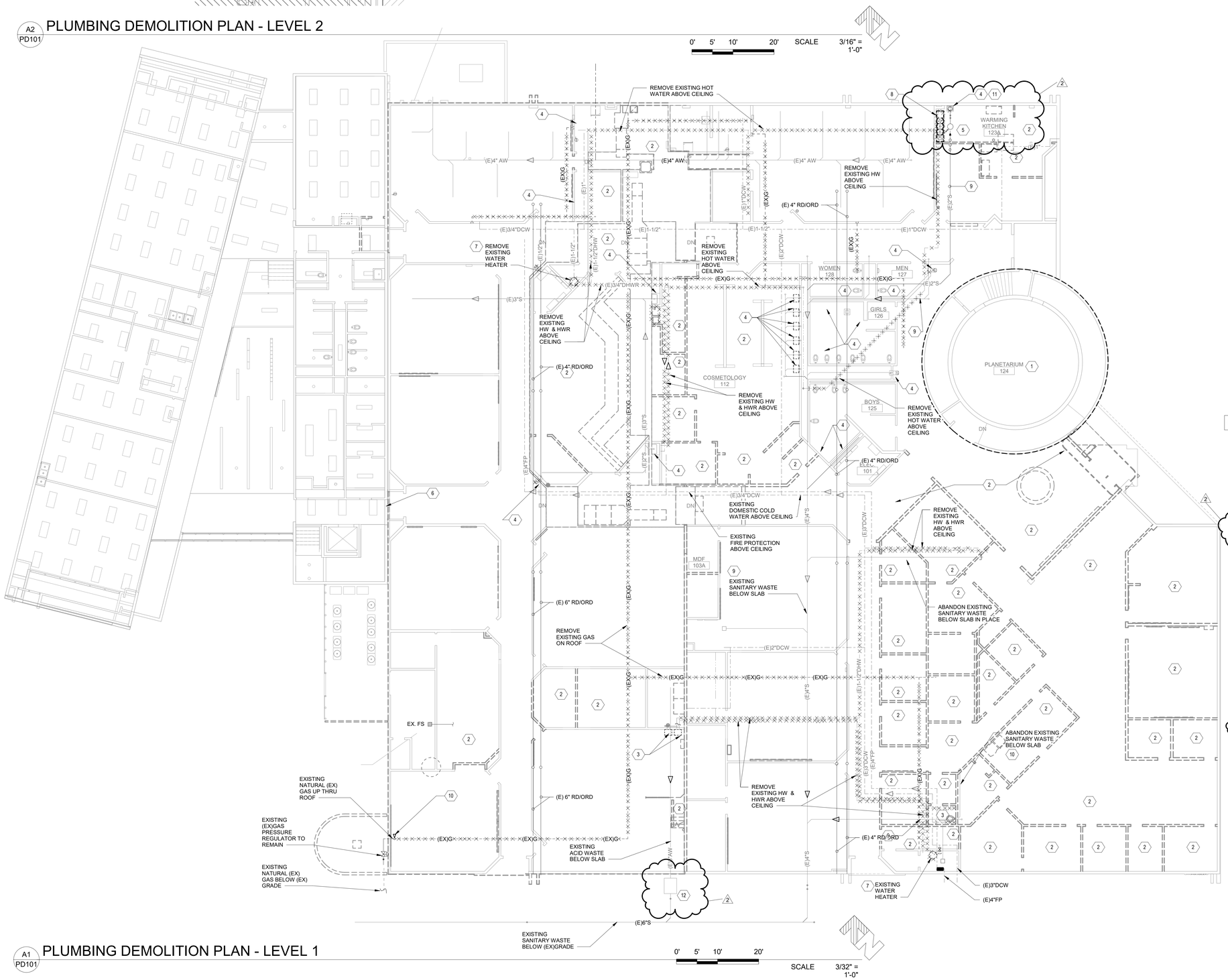
EXHIBIT 03



A2
PD101

PLUMBING DEMOLITION PLAN - LEVEL 2

0' 5' 10' 20' SCALE 3/16" = 1'-0"



A1
PD101

PLUMBING DEMOLITION PLAN - LEVEL 1

0' 5' 10' 20' SCALE 3/32" = 1'-0"

GENERAL SHEET NOTES

A. INFORMATION REGARDING THE EXISTING CONDITIONS WAS GATHERED FROM THE AVAILABLE EXISTING DRAWINGS, SURVEY AND WITH UTILITY, STAFF AND MUNICIPAL. THERE IS NO GUARANTEE AS TO THE ACCURACY OF THIS INFORMATION AND IT IS OFFERED FOR INFORMATION ONLY. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID.

B. VERIFY EXISTING LOCATIONS OF EQUIPMENT, PIPING AND SYSTEM COMPONENTS PRIOR TO DEMOLITION. IF EXISTING CONDITIONS ARE DIFFERENT THAN WHAT IS INDICATED ON THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.

C. THIS CONTRACTOR SHALL MINIMIZE DISTURBANCE TO ALL EXISTING CONDITIONS. WHERE REMOVAL OF PLUMBING FIXTURES CAUSES DAMAGE TO EXISTING BUILDING COMPONENTS, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING DAMAGED AREAS TO ORIGINAL CONDITION. REPAIRS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE SPECIFIC AREA OF REPAIR. ALL FIRE AND SMOKE BARRIER RATINGS SHALL BE PRESERVED. ALL REPAIRS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT.

D. ALL AREAS OF EGRESS SHALL BE KEPT OPEN AND FREE FROM DEBRIS AT ALL TIMES.

E. DO NOT REMOVE ITEMS SUPPORTING OTHER ITEMS WITHOUT PROVIDING OTHER TEMPORARY OR PERMANENT SUPPORT AS REQUIRED. SEE DRAWINGS FOR AREAS AND EXTENT OF DEMOLITION. PROPERLY SUPPORT ALL EXISTING ITEMS TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING REQUIRED SUPPORTS FOR AFFECTED ITEMS.

F. VERIFY EXTENT OF PIPING, EQUIPMENT, COMPONENTS AND CONTROLS TO BE RETAINED OR REUSED PRIOR TO THE DEMOLITION OF SPECIFIC SYSTEM. PROTECT ITEMS WHICH ARE TO BE REUSED ON SITE TO MINIMIZE POST CONSTRUCTION REPAIRS. ANY ITEMS THAT ARE DAMAGED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE CONTRACT.

G. VERIFY ALL EXISTING STRUCTURAL CONDITIONS AND NOTIFY STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO PENETRATING EXISTING BUILDING STRUCTURAL SYSTEMS.

H. NO DEMOLITION SHALL OCCUR WHICH LEAVES THE BUILDING INTERIOR WITHOUT WEATHER PROTECTION. ALL DEMOLITION OF EXTERIOR SURFACES OR EQUIPMENT SHALL BE FOLLOWED IMMEDIATELY BY PROTECTIVE CONSTRUCTION. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY PROTECTION IN ALL OPENINGS WHERE EQUIPMENT HAS BEEN REMOVED TO BUILDING EXTERIOR.

I. THE CONTRACTOR SHALL REFER TO ALL SECTIONS AND DRAWINGS OF THE CONTRACT DOCUMENTS FOR DEMOLITION OF PLUMBING SYSTEM COMPONENTS INCLUDED IN THE PLUMBING CONTRACT.

J. REMOVE NATURAL GAS PIPING IN THE PROJECT AREA FROM THE FIRST FLOOR ROOF BACK TO ACTIVE MAIN AND CAP.

K. EXISTING GAS WATER HEATERS SHALL BE REMOVED. REMOVE HOT WATER PIPING ABOVE CEILING WHERE SHOWN.

L. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR DISTRIBUTION OF RESPONSIBILITY AMONG CONTRACTORS, FOR SPECIFIC PORTIONS OF CUTTING AND PATCHING WORK. CONTRACTOR SHALL COORDINATE ALL CUTTING AND PATCHING WORK WITH ALL OTHER CONTRACTORS INVOLVED AS DEFINED IN THE SPECIFICATIONS.

M. REMOVE EXISTING PLUMBING FIXTURES AS SHOWN. CAP UNUSED WASTE, VENT, AND CONDENSATE PIPING BEHIND FINISH SURFACES. REMOVE ALL UNUSED DOMESTIC WATER PIPING BACK TO AN ACTIVE SERVICE; CAP LINE. SEAL ALL UNUSED WALL AND FLOOR PENETRATIONS, TAKING CARE TO MAINTAIN FIRE AND SMOKE RATINGS. COORDINATE FINAL FINISH WITH ARCHITECT.

N. CONSTRUCTION SPOILS SHALL BE REMOVED FROM SITE AND DISPOSED OF BY CONTRACTOR. THE TERM "REMOVE" MEANS "REMOVE AND FULLY DISPOSE OF" UNLESS OTHERWISE NOTED.

O. FLOOR SINK TRAPS AND FLOOR DRAIN TRAPS TO BE DISCONTINUED SHALL BE FILLED WITH CONCRETE, CARE SHALL BE TAKEN TO AVOID FILLING ANY CONCRETE IN HORIZONTAL SANITARY LINES.

P. CONTRACTOR SHALL ROD OUT AND SCOPE EXISTING SANITARY MAIN AFTER DEMOLITION IS COMPLETED.

Q. CONTRACTOR SHALL REPLACE ALL INSULATION AROUND PIPING AFTER DEMOLITION IS COMPLETED.

R. EXISTING GAS PIPING SHALL BE MODIFIED TO ACCOMMODATE NEW EQUIPMENT WHERE INDICATED. AFTER GAS PIPE MODIFICATIONS AND NEW CONNECTIONS ARE COMPLETE RELIGHT ALL PILOT LIGHTS TO ALL EQUIPMENT. VERIFY THAT CONNECTIONS TO (AND PILOT LIGHTS OF) EXISTING EQUIPMENT ARE IN ACCEPTABLE OPERATING CONDITION. THIS SHOULD BE DONE AS SOON AS CONNECTIONS ARE COMPLETE, AND SHALL BE DONE IN A TIMELY MANOR TO MINIMIZE DISRUPTION OF SERVICE THROUGHOUT THE EXISTING BUILDING. COORDINATE WITH THE OWNER AND THE ARCHITECT SCHEDULED TIMES OF DISRUPTION OF SERVICE.

S. CONTRACTOR SHALL PROVIDE PIPE CAP AND COVER OF OPEN END SANITARY WASTE AND VENT PIPES TO PROTECT THE EXISTING PLUMBING SYSTEM FROM DAMAGE DURING BUILDING AND ROOF RENOVATION.

KEYNOTES

1. PLANETARIUM ROOF DRAIN, ARCHITECTURAL CANALE TO REMAIN. REMOVE ANY DETERIORATED MATERIAL. OPENING THROUGH PARAPET AT CANALE SHALL BE CLOSED-OFF, INFILLED, BUILT-UP, AND SEALED ON ALL SIDES. REFER TO PL131 FOR PLUMBING ROOF PLAN.
2. REMOVE FIRE SPRINKLER HEADS AND BRANCH PIPING TO FACILITATE INSTALLATION OF OTHER CRAFTS.
3. REMOVE FIXTURE, CAP AND COVER OPEN PIPES DURING REMODEL. PREPARE SYSTEMS FOR RECONNECTION TO NEW PLUMBING FIXTURE, REFER TO PL101.
4. EXISTING PLUMBING FIXTURE TO REMAIN, DOMESTIC HOT WATER SUPPLY AND DOMESTIC HOT WATER RETURN SHALL BE MODIFIED AS REQUIRED.
5. EXISTING GREASE INTERCEPTOR IN FLOOR SHALL REMAIN IN PLACE. CONTRACTOR SHALL EMPTY, STEAM CLEAN AND ROD OUT LINE. COVER TOP OF GREASE INTERCEPTOR TO PROTECT IT FROM DEBRIS DURING RENOVATION.
6. SCOPE OF WORK FOR HATCHED AREA: REMOVE EXISTING DRINKING FOUNTAIN, CAP AND COVER SUPPLY AND WASTE. MAINTAIN SERVICES FOR NEW DRINKING FOUNTAINS. REFER TO "NEW WORK" PLUMBING PLANS.
   SECOND FLOOR CONDITIONS, REMOVE EXISTING 2ND FLOOR DRINKING FOUNTAIN, CAP AND COVER SUPPLY AND WASTE. MAINTAIN SUPPLY, WASTE AND VENT CONNECTIONS FOR REPLACEMENT FIXTURE.
7. REMOVE EXISTING PLUMBING EQUIPMENT - WATER HEATER, COLD AND HOT WATER PIPING, COMPLETE BACK TO SOURCE AS SHOWN.
8. EXISTING THREE COMPARTMENT SINK TO REMAIN. REMOVE GARBAGE DISPOSAL AND RE-CONNECT TO SANITARY WITH NEW PIPING..
9. THIS PORTION OF EXISTING SANITARY WASTE PIPE TO REMAIN IN PLACE AND IN SERVICE. CONNECT NEW SANITARY WASTE PIPE TO EXISTING, SEE PL101. FIELD VERIFY EXISTING PIPE INVERT PRIOR TO BEGINNING PLUMBING INSTALLATION. CONTRACTOR SHALL FIELD VERIFY VIABILITY OF THE EXISTING SERVICE CONNECTION. CONTRACTOR REPORT ANY EVIDENCE OF NON-VIABILITY THAT WOULD INTERFERE WITH THE INTENT TO MAKE NEW TO EXISTING CONNECTIONS TO THE ARCHITECT EARLY IN THE PROJECT SCHEDULE.
10. EXISTING NATURAL GAS RISER UP THRU ROOF TO TOP MECHANICAL EQUIPMENT, FIELD VERIFY. REMOVE GAS PIPE COMPLETE TO 6'-0" ABOVE FINISHED FLOOR CAP AND COVER PIPE DURING REMODEL, PREPARE GAS PIPING FOR RECONNECTION TO SYSTEM AFTER RENOVATION.
11. REPAIR FOR RECONNECTION, MATCH EXISTING.
12. EXISTING ACID NEUTRALIZATION TANK TO BE REMOVED.

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MARK	DATE	DESCRIPTION
2	02/19/2021	ADDENDUM #5
	01/11/2021	100% CD

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PLUMBING DEMOLITION PLAN

PD101

ADDENDUM No. 5
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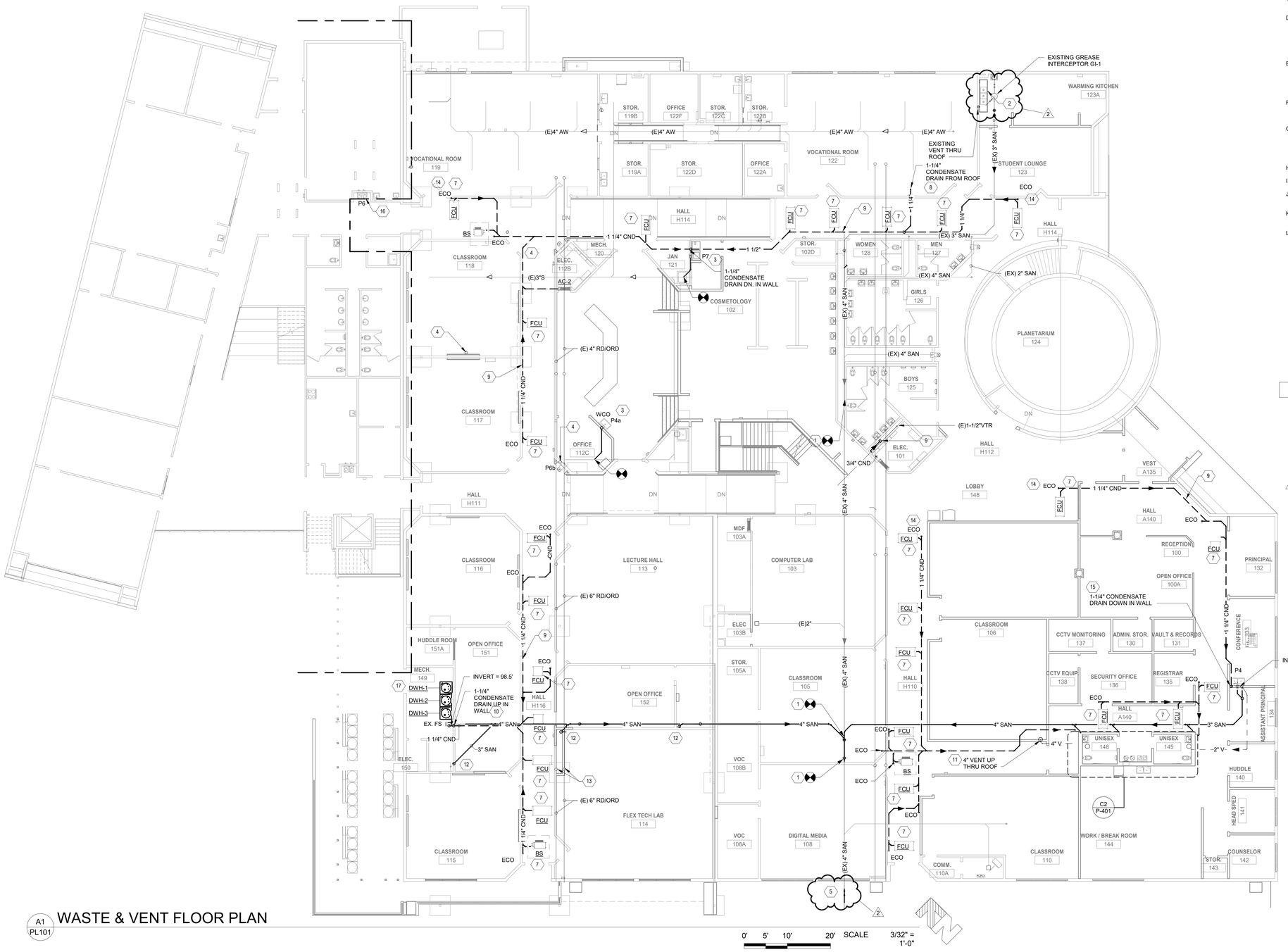

A1
PL101
WASTE & VENT FLOOR PLAN

GENERAL SHEET NOTES

A. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.

B. ACTUAL CONDITIONS MAY DIFFER FROM THOSE INDICATED. FIELD VERIFY IN ADVANCE THE LOCATION AND CONDITION OF THOSE EXISTING SYSTEMS SHOWN TO BE MODIFIED OR REMOVED. NOTIFY ARCHITECT SHOULD CONDITIONS DIFFER SIGNIFICANTLY FROM CONTRACT DOCUMENTS.

C. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.

D. PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN INACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22. ACCESS DOOR RATING SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.

E. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND OR SMOKE RATED WALLS AND ASSEMBLIES. PIPING PENETRATIONS OF FIRE AND SMOKE RATED WALLS AND LISTED ASSEMBLIES SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. LISTED FIRE PROOF CAULKING MATERIAL.

F. COORDINATE ALL PLUMBING PIPING WITH ALL OTHER TRADES AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.

G. PLUMBING DESIGN IS SCHEMATIC IN NATURE. PIPING LOCATIONS HAVE BEEN SHOWN OUT OF SPACE FOR CLARITY AND DO NOT NECESSARILY REFLECT THE EXACT LOCATION OF PIPE. COORDINATE ROUTING WITH ALL OTHER TRADES BEFORE INSTALLATION OR MAKEUP OF PIPE. PROVIDE COORDINATION DRAWINGS PER SPECIFICATIONS.

H. REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.

I. ALL PLUMBING FIXTURES SHALL HAVE WALL CLEANOUTS.

J. ALL P-TRAPS TO FLOOR SINKS AND FLOOR DRAINS SHALL BE SUPPLIED WITH A TRAP SEAL GUARD.

K. ROUTE ALL 4" AND LARGER WASTE PIPING AT 1% SLOPE UNLESS OTHERWISE INDICATED.

L. PRESSURE WASH AND SCOPE EXISTING SANITARY PIPING.

KEYNOTES

1. VERIFY SIZE AND INVERT OF EXISTING PIPE. CONNECT NEW TO EXISTING.
2. RECONNECT 2" SANITARY AT THREE COMPARTMENT SINK WHERE GARBAGE DISPOSAL HAS BEEN REMOVED.
3. CONNECT NEW PLUMBING FIXTURES TO EXISTING PLUMBING SYSTEM, SANITARY WASTE AND VENT PIPE.
4. CONNECT NEW DECK DRAINS TO EXISTING ROOF LINES.
5. RECONNECT SANITARY SEWER TO MAIN AT LOCATION OF REMOVED ACID NUETRALIZTION TANK. FIELD VERIFY PIPE SIZE. PROVIDE DOUBLE CLEANOUT TO GRADE.
6. NOT USED.
7. MECHANICAL EQUIPMENT ABOVE CEILING, FURNISH CONDENSATE DRAIN PIPING SLOPED TOWARD DRAIN, 2% PER FOOT FALL. CONDENSATE DRAIN CONNECTION AS PER MANUFACTURERS RECOMMENDATIONS. COORDINATE WITH MECHANICAL PRIOR TO BEGINNING PIPE ASSEMBLY OR INSTALLATION OF PIPING, TYPICAL.
8. CONDENSATE DRAIN PIPE UP THRU ROOF, SEAL PENETRATION AIR AND WATER TIGHT. SEE ROOF PLAN PL131 FOR CONTINUATION.
9. CONDENSATE DRAIN PIPE ABOVE CEILING, SECURE HIGH AND TIGHT TO STRUCTURE.
10. CONDENSATE DRAIN DISCHARGE AT TO FLOOR SINK 2" AIR GAP.
11. SANITARY VENT PIPE UP THRU ROOF, SEAL PENETRATION AIR AND WATER TIGHT. SEE ROOF PLAN PL131 FOR CONTINUATION.
12. SANITARY WASTE RISER DOWN TO BELOW SLAB, PROVIDE WALL CLEANOUT AT 1'-6" MINIMUM ABOVE FINISHED FLOOR.
13. 6" VERTICAL RD/ORD FROM ABOVE. CONNECT TO EXISTING ROOF DRAIN LINES.
14. PROVIDE END CLEANOUT ECO ACCESSIBLE ABOVE CEILING, TYPICAL.
15. 1-1/4" CONDENSATE DRAIN, CONNECT TO DRAIN TAIL-PIECE, SEE DETAIL SHEET B2/PS01 SIMILAR.
16. EXTEND WATER, WASTE AND VENT OVER TO NEW LOCATION OF DRINKING FOUNTAIN.
17. CONNECT T&P FROM EACH WATER HEATER AND TERMINATE INDIRECTLY AT FLOOR SINK.

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WASTE & VENT FLOOR PLAN

PL101

ADDENDUM No. 5
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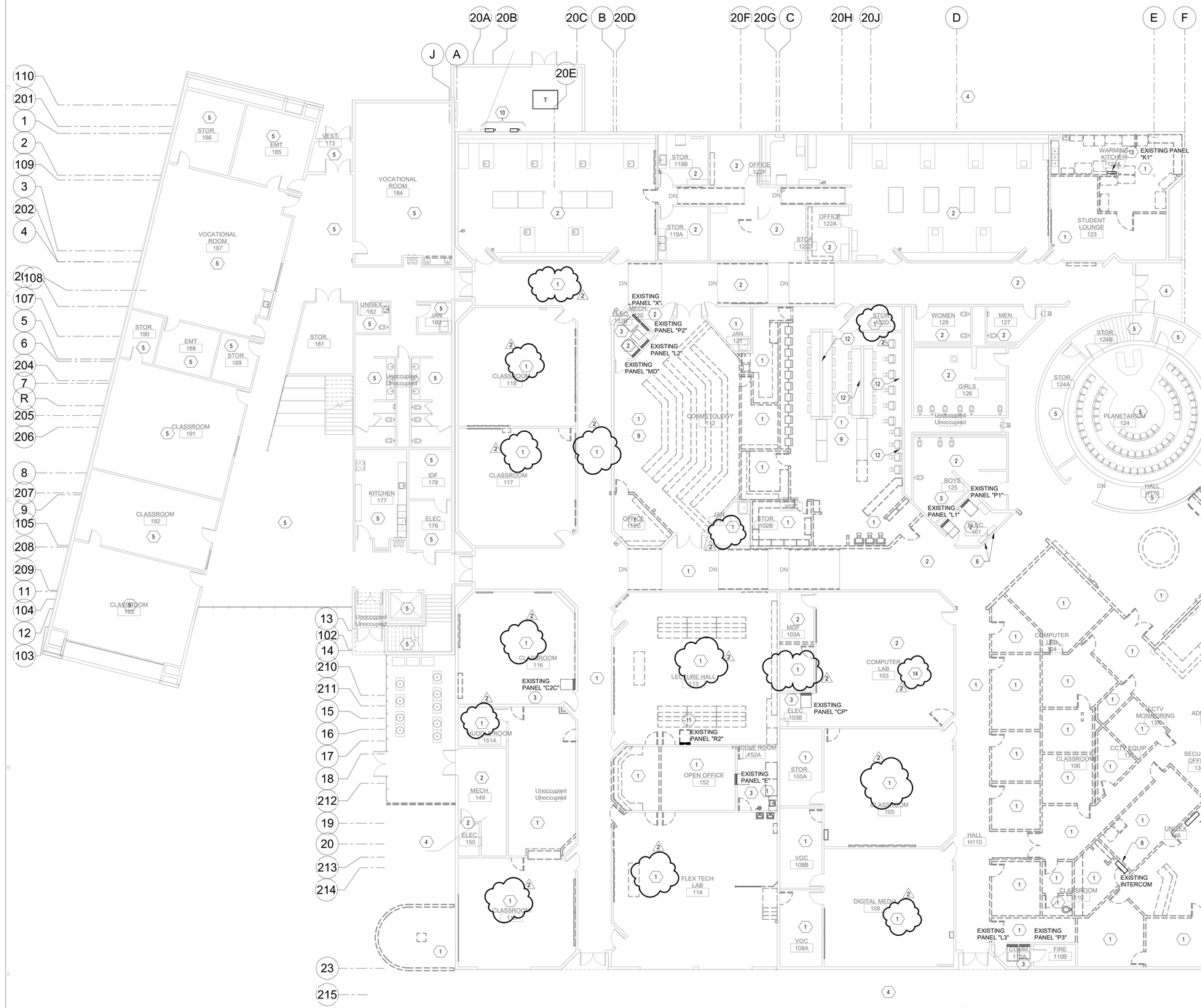

A1
ED101

ELECTRICAL FLOOR DEMOLITION PLAN

0' 5' 10' 20' SCALE 3/32" = 1'-0"

GENERAL SHEET NOTES

A. REMOVE ALL EXISTING DEVICES (LIGHT FIXTURES, RECEPTACLES, SWITCHES, COMMUNICATION OUTLETS, JUNCTION BOXES, ETC.) IN AREAS OF DEMOLITION. COORDINATE ALL LOCATIONS OF REMOVAL WORK WITH ARCHITECT.

B. REMOVE ALL CONDUIT AND WIRE TO DEVICES. REMOVE ALL EXPOSED OR ACCESSIBLE CONDUIT RUNS. ABANDON CONCEALED INACCESSIBLE CONDUIT (REMOVE WIRING). CONDUIT AND WIRING SHALL BE REMOVED BACK TO PANELBOARD OR NEAREST EXISTING DEVICE WHICH IS TO REMAIN. COORDINATE IN FIELD.

C. CONTRACTOR SHALL MAINTAIN ALL CIRCUIT AND CONDUIT CONTINUITY TO ALL EXISTING DEVICES WHICH ARE TO REMAIN. PROVIDE ALL FIELD CIRCUIT VERIFICATION AS REQUIRED TO ENSURE CONTINUITY IS MAINTAINED.

D. ALL DASHED WALLS ON ELECTRICAL DEMOLITION PLAN INDICATE WALLS WHICH SHALL BE DEMOLISHED COMPLETELY. REFER TO ARCHITECTURAL DEMOLITION PLANS AND DETAILS.

E. THE CONTRACTOR SHALL COORDINATE ALL REMOVAL WORK WITH NEW WORK. REFER TO INSTALLATION PLANS FOR CONNECTIONS TO EXISTING CIRCUITS. DO NOT REUSE EXISTING CONDUCTORS FOR NEW WORK EXCEPT WHERE SPECIFICALLY NOTED.

F. CONDUIT SYSTEMS TO BE REUSED WHERE PRACTICAL. CONDUCTORS TO ALL NEW DEVICES SHALL BE NEW (HOME RUNS, SWITCHES, ETC.).

G. UTILIZE EXISTING BACKBOXES IN BLOCK WALL TO REMAIN FOR NEW DEVICES. RE-ROUT CONDUITS TO NEW OR EXISTING ELECTRICAL PANELS AS INDICATED. COORDINATE EXISTING DEVICE LOCATIONS IN FIELD WITH NEW DEVICES AND COMPLY AS REQUIRED.

H. REFER TO CONSTRUCTION SEQUENCING PLAN FOR ALL WORK. SCHOOL WILL REMAIN IN OPERATION DURING CONSTRUCTION. COORDINATE WITH SCHOOL ADMINISTRATOR.

I. DISPOSE OF ALL LAMPS AND BALLASTS PER EPA GUIDELINES.

J. DATA TO BE DEMOLISHED AND RE-FED THROUGHOUT CONTRACTOR TO COORDINATE WITH APS AND SPECIAL SYSTEM CONTRACTOR. PATHWAYS AND BOXES MAY BE REUSED.

KEYNOTES

1. REMOVE EXISTING LIGHTING, DEVICES, AND ELECTRICAL WIRING COMPLETE IN AREA OF DEMOLITION. COORDINATE WITH ARCHITECTURAL. CONTRACTOR TO FIELD VERIFY (RING OUT) EXISTING ELECTRICAL CIRCUITS PRIOR TO DEOMOTION FOR EACH AREA AFFECTED BY THE DEMOLITION. REMOVAL OF EXISTING SECURITY, IT, SOUND AND FIRE ALARM SYSTEMS SHALL BE COORDINATED WITH APS TO KEEP PORTIONS OF THE BUILDING OPERATIONAL DURING CONSTRUCTION. DEMOLITION PLANS AND POWER RISER DIAGRAMS INDICATE A BEST GUESS OF THE EXISTING ELECTRICAL DISTRIBUTION SYSTEM AND REQUIRES FIELD VERIFICATION. WHERE INDICATED ON THE NEW WORK PLAN, THE EXISTING ELECTRICAL DEVICES SHALL REMAIN AND SHALL BE RECONNECTED PER THE NEW WORK PLAN. COORDINATE EXISTING WORK AND NEW WORK TO COMPLY.
2. REMOVE EXISTING LIGHTING COMPLETE. INSTALL NEW LIGHTING WITH NEW CONDUCTORS THROUGHOUT AND REVISE SWITCHING PER NEW WORK DRAWINGS. ALL OTHER ELECTRICAL DEVICES AND EXISTING WALL MOUNTED SPECIAL SYSTEMS TO REMAIN.
3. EXISTING ELECTRICAL PANELS TO REMAIN. COORDINATE REMOVALS WITH SEQUENCING REQUIREMENTS. REFER TO ARCHITECTURAL FOR SEQUENCING.
4. REMOVE ALL EXTERIOR WALL MOUNTED AND SOFFIT MOUNTED FIXTURES AND REPLACE WITH NEW AS INDICATED. UTILIZE EXISTING CONDUIT SYSTEMS AND CIRCUITS. COORDINATE IN FIELD.
5. NO ELECTRICAL WORK REQUIRED IN THIS AREA. MAINTAIN THE EXISTING CIRCUIT CONTINUITY FOR ALL DEVICES IN THIS AREA. COORDINATE IN FIELD. REMOVE AND REPLACE FIRE ALARM. SEE NEW WORK PLANS.
6. EXISTING SPECIAL SYSTEMS CABINETS TO REMAIN. SHOWN FOR REFERENCE ONLY.
7. EXISTING FIRE ALARM CONTROL PANEL TO BE REMOVED BY SOUND AND SIGNAL. COORDINATE IN FIELD. REMOVE ASSOCIATED ELECTRICAL COMPLETE.
8. EXISTING INTERCOM EQUIPMENT TO BE REMOVED BY SOUND AND SIGNAL. COORDINATE IN FIELD. REMOVE ASSOCIATED ELECTRICAL COMPLETE.
9. REMOVE AND REINSTALL AV/PROJECTION EQUIPMENT IN COSMETOLOGY CLASSES.
10. REMOVE EXISTING BUILDING DISCONNECTS AND REFEED PER NEW WORK PLANS.
11. EXISTING ELECTRICAL PANEL TO BE REMOVED COMPLETE. REMOVE ASSOCIATED PANEL FEEDERS, ASSOCIATED BRANCH CIRCUIT WIRING AND ASSOCIATED OUTLETS. TRACE EXISTING CIRCUITS IN FIELD AND LOCATE ALL DEVICES FED FROM THIS PANEL FOR REMOVAL.
12. EXISTING STATION POWER TO REMAIN. MAINTAIN EXISTING CIRCUIT CONTINUITY. COORDINATE WITH ARCHITECTURAL REMOVAL PLANS AND NEW WORK PLANS.
13. EXISTING ELECTRICAL PANEL TO BE REMOVED AND RE-INSTALLED IN LOCATION INDICATED. SEE NEW WORK PLANS.
14. DISCONNECT AND REMOVE POWER/DATA TOMBSTONES AND INSTALL RECESSED OUTLETS. REFER TO NEW WORK PLANS.

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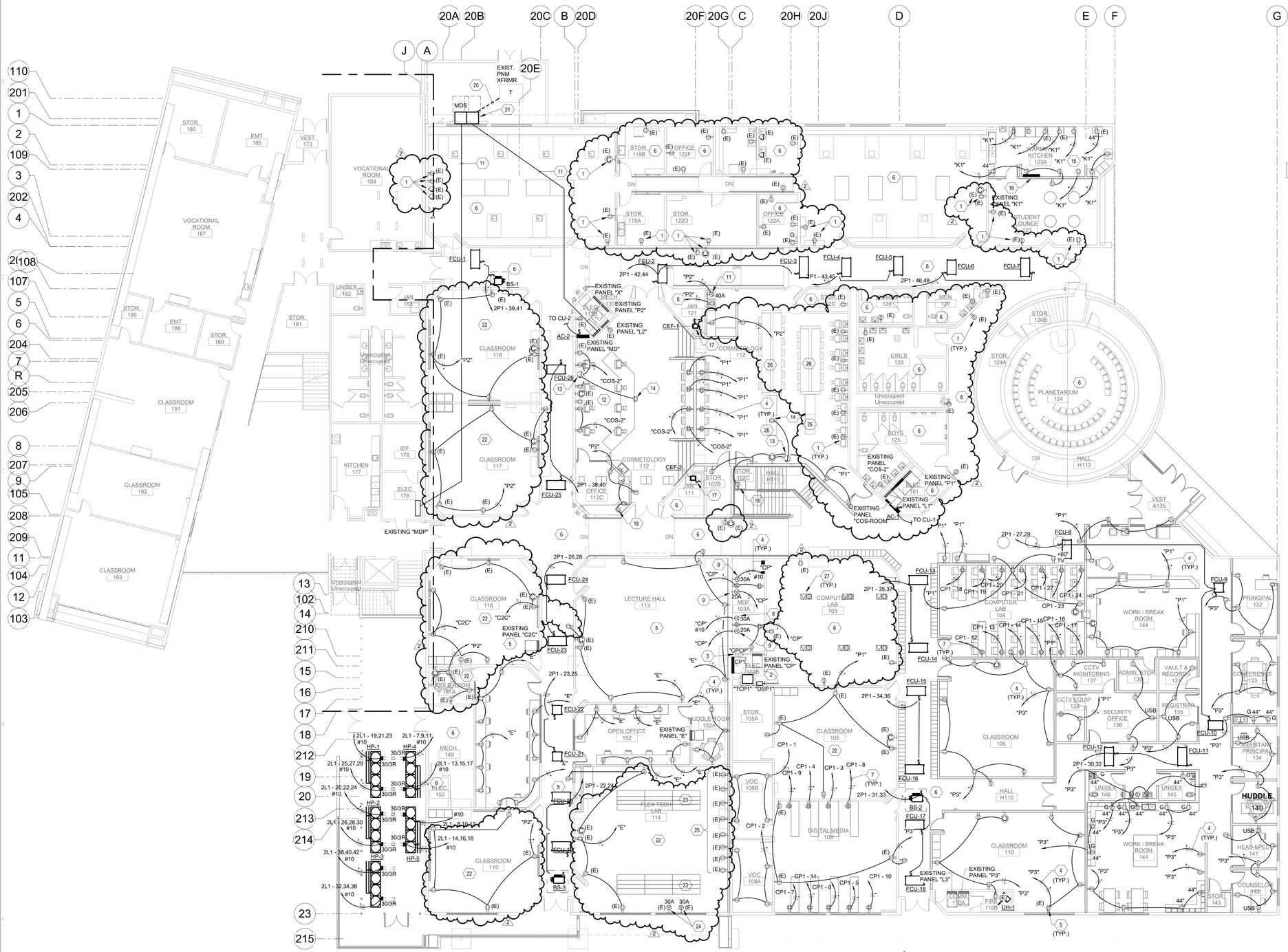
ELECTRICAL DEMOLITION FLOOR PLAN

ED101

ADDENDUM No. 5
EXHIBIT 06



A1
EP101

POWER FLOOR PLAN

0' 5' 10' 20' SCALE 3/32" = 1'-0"

GENERAL SHEET NOTES

A. CONTRACTOR SHALL INSTALL PULL AND JUNCTION BOXES WHEREVER REQUIRED BY N.E.C. OR JOB CONDITIONS. ALL NEW WIRING SHALL BE TAGGED AT ALL PULL BOXES, JUNCTION BOXES, EQUIPMENT BOXES AND CABINETS WITH APPROVED PLASTIC TAGS. ACTION CRAFT, BRADY OR APPROVED EQUAL.

B. THE CONTRACTOR SHALL INSTALL TIE HANDLES OR MULTI-POLE BREAKERS FOR ALL CIRCUITS SHARING A NEUTRAL CONDUCTOR.

C. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS AND PROVIDE ALIGNMENT OF DEVICES.

D. ALL HOME RUN CIRCUITING TO PANELS SHALL BE .75" CONDUIT, MINIMUM.

E. MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES FOR EXACT HEIGHT REQUIRED. THIS REQUIREMENT ALSO APPLIES TO THE LOCATION OF WALL BOXES FOR HVAC SENSORS, T-STATS, ETC. ANY THIS NOTE APPLIES TO ALL ELECTRICAL SHEETS IN THESE DRAWINGS. OUTLET DEVICES THAT HAVE TO BE RELOCATED DUE TO COUNTERTOP, CHALKBOARD, TACKBOARD, TYPE CONFLICTS WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER. ALIGNMENT OF ALL DEVICES SHALL BE COORDINATE IN THE FIELD SO THAT ALL DEVICES SHARE A COMMON MOUNTING PLANE.

F. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED WITH FIRE STOPPING, IE. 3M BRAND CALK, PUTTY, STRIP AND SHEET FORMS, DOW CORNERING 3-6548 SILICONE RTV FOAM

G. ALL LOW VOLTAGE CONDUCTORS SHALL BE RAN IN SEPARATE RACEWAYS AS POWER CONDUCTORS (120VAC OR HIGHER PHASE TO NEUTRAL), NO EXCEPTIONS.

H. PHASE SEQUENCING SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE ELECTRICAL DISTRIBUTION SYSTEM. PHASE ARRANGEMENT ON 3-PHASE BUSES SHALL BE A,B,C FROM FRONT TO BACK, TOP TO BOTTOM, OR LEFT TO RIGHT AS VIEWED FROM THE FRONT OF THE SWITCHBOARD OR PANEL BOARD. (PHASE A SHALL BE MAINTAINED AS PHASE A FROM THE DISTRIBUTION TRANSFORMER TO EACH PANEL BOARD OR SWITCHBOARD).

I. ALL BRANCH AND FEEDER CIRCUIT WIRING SHALL BE COLOR CODED THROUGHOUT THE ENTIRE ELECTRICAL DISTRIBUTION SYSTEM.

J. IN EXISTING WALLS, USE EXISTING OUTLETS WHEN IN CLOSE PROXIMITY TO THE NEW DEVICES SHOWN

KEYNOTES

1. EXISTING DEVICES TO REMAIN. MAINTAIN EXISTING CIRCUIT CONTINUITY.
2. EXISTING ELECTRICAL PANEL "CP" LOCATION TO BE REMOVED. UTILIZE EXISTING PANEL CAN AS A SPLICE BOX. INTERCEPT 12 EXISTING COMPUTER ROOM CIRCUITS AND ROUTE THROUGH NEW COMPUTER ROOM RELAY CONTROL PANEL "CPCP"
3. NEW COMPUTER ROOM RELAY CONTROL PANEL "CPCP". ROUTE ASSOCIATED CIRCUITS FOR NEW AND EXISTING COMPUTER ROOM CIRCUITS THROUGH RELAYS AND CONNECT TO NEW PANEL "CP1". REFER TO PANEL SCHEDULES AND ONE LINE DIAGRAM.
4. RECONNECT TO EXISTING CIRCUITS PREVIOUSLY REMOVED. PANEL DESIGNATION IS BASED ON AS-BUILT DRAWINGS. CONTRACTOR TO FIELD VERIFY.
5. (E) INDICATES EXISTING DEVICE TO REMAIN. RECONNECT AS INDICATED
6. EXISTING POWER OUTLETS IN THIS AREA TO REMAIN AS IS. MAINTAIN EXISTING CIRCUIT CONTINUITY. PROVIDE NEW DEVICE IN EXISTING BACKBOX AND PROVIDE NEW FACEPLATE.
7. EXTEND CIRCUITS THROUGH RELAY CONTROL PANEL PER NOTE #3.
8. PROVIDE 30A TWIST LOCK RECEPTACLE PER APS REQUIREMENTS. MANUFACTURER AND MODEL NUMBER AND NEMA CONFIGURATION SHALL BE AS SPECIFIED BY APS. COORDINATE MOUNTING HEIGHTS WITH RACK EQUIPMENT AND SOUND AND SIGNAL IN FIELD PRIOR TO ROUGH-IN. PROVIDE 30A/1P BREAKER IN EXISTING PANEL SPACE.
9. PROVIDE 20A TWIST LOCK RECEPTACLE PER APS REQUIREMENTS. MANUFACTURER AND MODEL NUMBER AND NEMA CONFIGURATION PER APS SPECIFICATIONS. COORDINATE MOUNTING HEIGHTS WITH RACK EQUIPMENT AND SOUND AND SIGNAL IN FIELD PRIOR TO ROUGH-IN.
10. COORDINATE MOUNTING HEIGHTS OF RECEPTACLES AT DATA RACKS WITH SOUND AND SIGNAL IN FIELD. REFER TO DATA RACK OUTLET MOUNTING DETAIL.
11. EXTEND #8 CONDUCTORS TO PANEL INDICATED. REPLACE 20A/1P BREAKERS WITH NEW 40A/2P BREAKER FOR DRYER CONNECTION. IF THE EXISTING DRYER IS ALREADY FED FROM THE PANEL, THEN UTILIZE THE EXISTING 40A/2P BREAKER.
12. EXISTING RECEPTACLES ON EXISTING WALL TO REMAIN. MAINTAIN EXISTING CIRCUIT CONTINUITY. COORDINATE IN FIELD.
13. PROVIDE ELECTRICAL CONNECTION TO MOTORIZED PROJECTON SCREEN. PROVIDE CONNECTION TO SWITCH PROVIDED WITH UNIT. COORDINATE LOCATIONS OF ALL COMPONENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
14. PROVIDE 120V CONNECTION TO PROJECTOR UNIT. COORDINATE WITH SOUND AND SIGNAL FOR EXACT LOCATION PRIOR TO ROUGH-IN.
15. RECONNECT ALL NEW AND EXISTING RECEPTACLES TO THE EXISTING CIRCUITING IN THE KITCHEN. COORDINATE IN FIELD. ALL RECEPTACLES SHALL BE GFCI.
16. INSTALL EXISTING PANEL PREVIOUSLY REMOVED AT THIS LOCATION. RECONNECT EXISTING PANEL FEEDERS AND BRANCH CIRCUITS PREVIOUSLY DISCONNECTED.
17. CONNECT TO 120V UNSWITCHED CIRCUIT IN ROOM.
18. MOUNT RECEPTACLE AT WALL RACK FOR VIDEO HEAD END EQUIPMENT. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH SOUND AND SIGNAL AND APS PRIOR TO ROUGH-IN.
19. INSTALL NEW SECONDARY CONDUIT ABOVE ACCESSIBLE CEILING. COORDINATE ROUTING IN FIELD WITH EXISTING CONDITIONS. CONTRACTOR MAY UTILIZE THE EXISTING DISTRIBUTION PANEL FEEDER CONDUITS IF THEY ARE ACCESSIBLE AND IN GOOD CONDITION. COORDINATE IN FIELD.
20. INSTALL NEW SECONDARY. REFER TO ONE LINE DIAGRAM. CUT SLAB AND TRENCH AS REQUIRED. PATCH TO MATCH AFTER WORK IS COMPLETE. COORDINATE OUTTAGE AND PHASING WITH ARCHITECT AND APS.
21. INSTALL NEW MDS DISTRIBUTION PANEL ON 4" HOUSEKEEPING PAD. LOCATE AT EXISTING WALL. REMOVE EXISTING DISCONNECTS PREVIOUSLY FEEDING EXISTING DISTRIBUTION EQUIPMENT AND LOCATE WITH PROPER CLEARANCES PER NEC.
22. EXISTING OUTLETS IN EXISTING WALLS TO BE RECONNECTED AS INDICATED. PROVIDE NEW DEVICES AND FACEPLATES FOR EXISTING BACKBOXES.
23. EXISTING FLEX TECH TABLE TOP EQUIPMENT TO REMAIN AS IS. COORDINATE IN FIELD. MAINTAIN EXISTING CIRCUIT CONTINUITY.
24. EXISTING SPECIAL PURPOSE RECEPTACLES TO REMAIN. PROVIDE NEW FACEPLATES.
25. PROVIDE BACK BOX EXTENSION TO ALLOW FOR NEW FUR-OUT. COORDINATE WITH ARCHITECTURAL. PROVIDE NEW DEVICE AND FACEPLATES. MAINTAIN EXISTING CIRCUIT CONTINUITY.
26. EXISTING COSMETOLOGY ELECTRICAL DEVICES TO REMAIN. MAINTAIN EXISTING CIRCUIT CONTINUITY. COORDINATE IN FIELD.
27. REPLACE EXISTING POWER AND DATA TOMBSTONES WITH NEW RECESSED FLOOR BOXES, LEGRAND #8AT2PGY, GRAY, PROVIDE WITH (2) DUPLEX RECEPTACLES AND (4) DATA ACTIVATIONS. COORDINATE WITH APS PRIOR TO ORDERING. RECONNECT TO EXISTING CIRCUIT. COORDINATE IN FIELD.

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POWER FLOOR PLAN

EP101

ADDENDUM No. 5
EXHIBIT 07

COMMUNICATIONS COORDINATION SCHEDULE

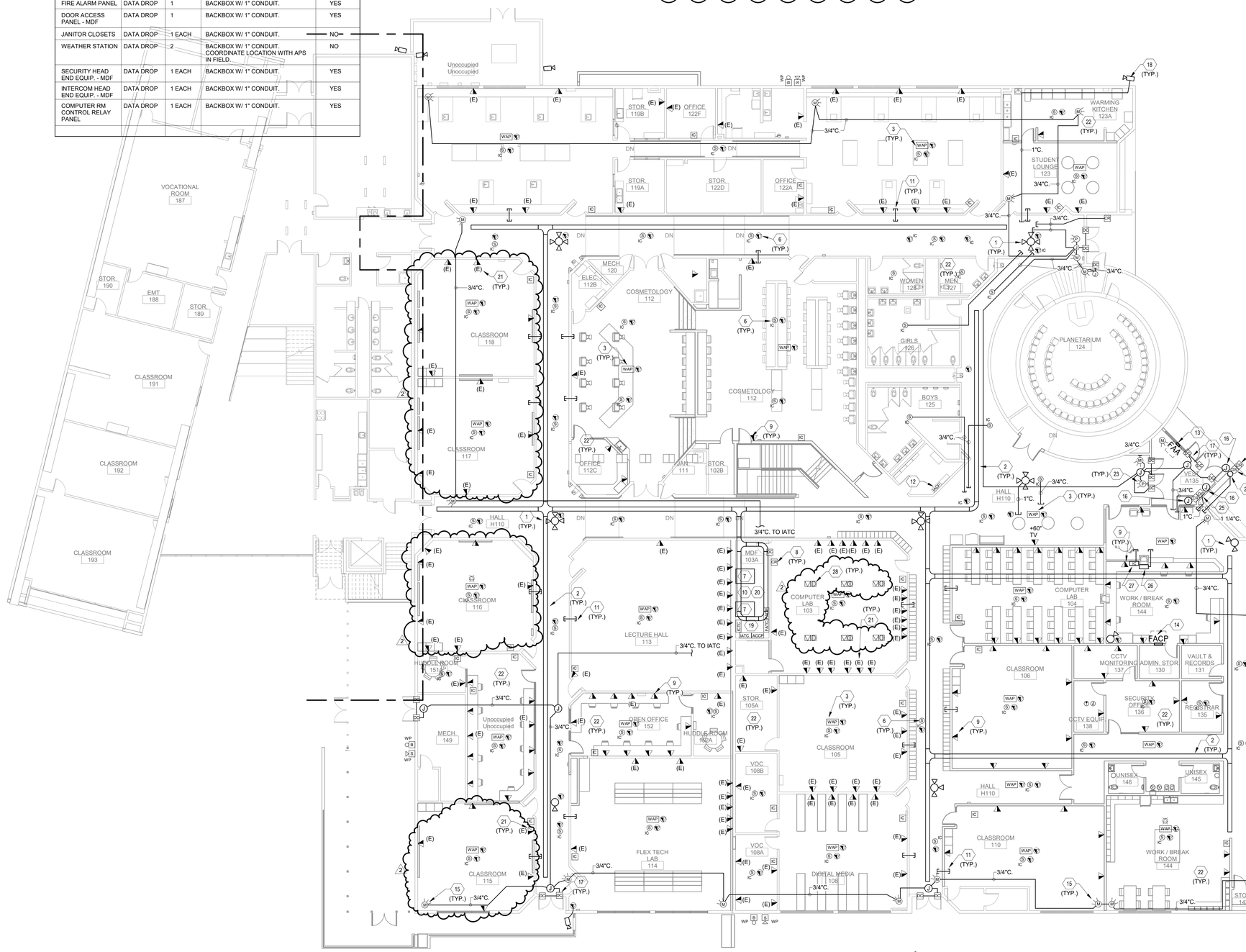
THIS TABLE REPRESENTS A LIST OF ADDITIONAL DATA DROPS TO BE INSTALLED AND COORDINATED WITH APS. ADDITIONAL DATA DROPS REQUIRE 1" CONDUIT AND A BACKBOX. CONTRACTOR TO COMPLETE THE THE IP ADDRESS TABLE ON THE PROJECTS E-BUILDER SITE FOR ALL ITEMS REQUIRING AN IP ADDRESS SO THAT SOUND AND SIGNAL CAN INSTALL CABLE AND APS CAN ASSIGN AN IP ADDRESS FOR ALL ITEMS INDICATED.

EQUIP. OR ROOM	DEVICE TYPE	QUANTITY	NOTES	IP ADDRESS REQUIRED
MECH. ROOMS	DATA DROP	2 EACH	TWO BACKBOXES W/ 1" CONDUIT EACH. ALL MECHANICAL ROOMS FOR CONTROLS. COORDINATE WITH MECHANICAL SYSTEMS INSTALLER.	YES
METERING	DATA DROP	1 EACH	BACKBOX W/ 1" CONDUIT EACH METER. INCLUDES POWER, WATER AND GAS METERS.	YES
LIGHTING CONTROL RELAY PANELS	DATA DROP	1 AT THE MAIN PANEL	BACKBOX W/ 1" CONDUIT.	YES
PV ON ROOF	DATA DROP	1	BACKBOX W/ 1" CONDUIT TO PV EQUIPMENT ON ROOF. COORDINATE WITH PV INSTALLER.	YES
PV INFO/LEED DISPLAY IN LOBBY	DATA DROP	1	BACKBOX W/ 1" CONDUIT.	NO
FIRE ALARM PANEL	DATA DROP	1	BACKBOX W/ 1" CONDUIT.	YES
DOOR ACCESS PANEL - MDF	DATA DROP	1	BACKBOX W/ 1" CONDUIT.	YES
JANITOR CLOSETS	DATA DROP	1 EACH	BACKBOX W/ 1" CONDUIT.	NO
WEATHER STATION	DATA DROP	2	BACKBOX W/ 1" CONDUIT. COORDINATE LOCATION WITH APS IN FIELD.	NO
SECURITY HEAD END EQUIP. - MDF	DATA DROP	1 EACH	BACKBOX W/ 1" CONDUIT.	YES
INTERCOM HEAD END EQUIP. - MDF	DATA DROP	1 EACH	BACKBOX W/ 1" CONDUIT.	YES
COMPUTER RM CONTROL RELAY PANEL	DATA DROP	1 EACH	BACKBOX W/ 1" CONDUIT.	YES

NOTE:

FIRE ALARM SYSTEM: IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE CONDUIT AND BACKBOXES FOR THE FIRE ALARM SYSTEMS. REFER TO SOUND AND SIGNAL FIRE ALARM DRAWINGS FOR CONDUIT AND BACKBOX ROUGH-IN REQUIREMENTS AND ASSOCIATED DEVICE LOCATIONS.

INTERCOM, SECURITY/CCTV: THE DEVICES INDICATED ARE APPROXIMATE, REFER TO SOUND AND SIGNAL REFERENCE DRAWINGS FOR EXACT ROUGH-IN REQUIREMENTS



GENERAL SHEET NOTES

A. IT WILL BE THE CONTRACTOR'S OBLIGATION TO INCLUDE, IN THEIR BID, THE COSTS FOR INSTALLING JUNCTION BOXES, PROVIDING MISCELLANEOUS COVERS, WORK WITH OTHER DISCIPLINES WHERE THE CONTRACT INVOLVES ELECTRICAL POWER OR CONTROL CONNECTIONS, SWITCHES, ETC. ALL OF THIS WORK SHALL BE PART OF THIS CONTRACT.
B. LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
C. THE CONDUIT RUNS, AS SHOWN ON PLANS, INDICATE APPROXIMATE ROUTING. EXACT LOCATION OF CONDUIT RUNS SHALL BE AS FIELD CONDITIONS DICTATE.
D. CONTRACTOR SHALL INSTALL PULL AND JUNCTION BOXES WHEREVER REQUIRED BY N.E.C. OR JOB CONDITIONS. ALL NEW WIRING SHALL BE TAGGED AT ALL PULL BOXES, JUNCTION BOXES, EQUIPMENT BOXES AND CABINETS WITH APPROVED PLASTIC TAGS. ACTION CRAFT, BRADY OR APPROVED EQUAL.
E. SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE THEIR RESPONSIBILITY TO NOTIFY THE ENGINEER FOR CLARIFICATION, PRIOR TO COMMENCING SUCH WORK.
F. CONTRACTOR SHALL MAKE AS-BUILT DRAWINGS DOCUMENTING ANY AND ALL WIRING AND EQUIPMENT CONDITIONS AND CHANGES WHILE COMPLETING THIS CONTRACT. PROVIDE UPDATED TYPEWRITTEN DIRECTORIES FOR ALL PANELS AND LABEL ALL PANELS WITH PLASTIC LAMINATED NAMEPLATES.
G. INSTALL BLANK DEVICE PLATES ON ALL UNUSED JUNCTION BOXES IN FINISHED AREAS.
H. REFER TO POWER PLANS FOR DETAILED LAYOUTS OF ELECTRICAL GEAR.
I. WHEREVER REQUIRED, FURNISH AND INSTALL ON WALL OR CEILING FREESTANDING UNISTRUT CHANNELS, ANGLE IRONS OR ANY OTHER SUPPORT STRUCTURE WITH THREADED ROD HANGERS AS REQUIRED FOR THE SUPPORT OF ELECTRICAL EQUIPMENT OF ANY KIND TO ENSURE PROPER INSTALLATION.
J. MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES FOR EXACT HEIGHT REQUIRED. THIS REQUIREMENT ALSO APPLIES TO THE LOCATION OF WALL BOXES FOR HVAC SENSORS, T-STATS, ETC. ANY THIS NOTE APPLIES TO ALL ELECTRICAL SHEETS IN THESE DRAWINGS; OUTLET DEVICES THAT HAVE TO BE RELOCATED DUE TO COUNTERTOP, CHALKBOARD, TACKBOARD, TYPE CONFLICTS WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
K. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED WITH FIRE STOPPING, IE. 3M BRAND CALK, PUTTY, STRIP AND SHEET FORMS, DOW CORNERING 3-6548 SILICONE RTV FOAM
L. ALL LOW VOLTAGE CONDUCTORS SHALL BE RAN IN SEPARATE RACEWAYS AS POWER CONDUCTORS (120VAC OR HIGHER PHASE TO NEUTRAL), NO EXCEPTIONS.
M. REFER TO SOUND AND SIGNAL FIRE ALARM DRAWINGS FOR ADDITIONAL BACKBOX AND CONDUIT SYSTEM ROUGH-IN REQUIREMENTS.

KEYNOTES

1 PROVIDE AND INSTALL CONDUIT AND 4 SQUARE DEEP BOX WITH SINGLE GANG RING FOR CCTV AND ASSOCIATED DATA DROP. EXTEND 1" CONDUIT TO NEAREST LAY-IN CEILING SPACE. COORDINATE WITH OWNER IN FIELD.

2 PROVIDE AND INSTALL BASKET TYPE, CENTER SPLINE CABLE TRAY IN ACCESSIBLE CEILING SPACE. CABLEFIL NO EQUAL PER APS STANDARDS. PROVIDE ALL SUPPORTS, MOUNTING ACCESSORIES, ETC AS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION. PROVIDE WATER FALLS AT ALL IDF AND MDF ROOMS. SEE SPECIFICATIONS.

3 WIDE AREA ACCESS POINT. PROVIDE DOUBLE GANG BOX WITH SINGLE GANG RING ABOVE ACCESSIBLE CEILING SPACE. EXTEND CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE OF CORRIDOR.

4 INTERACTIVE BOARD DATA INTERCONNECTIONS. PROVIDE DOUBLE GANG BOXES WITH SINGLE GANG PLASTER RING AT 18" AFF FOR DATA CONNECTIONS. SEE SHEET E-502 FOR DETAIL. COORDINATE EXACT PLACEMENT WITH OWNER.

5 PA SPEAKER IN CEILING. SPEAKER CAN PROVIDED BY OWNER, INSTALLED BY ELECTRICAL. EXTEND .75" CONDUIT TO CALL IN SWITCH WHERE APPLICABLE.

6 PROVIDE BACKBOX FOR CALL IN SWITCH AND INTERCONNECT .75" CONDUIT TO SPEAKER PER NOTE #7.

7 7' FREE STANDING DATA RACK BY OWNER. SHOWN FOR REFERENCE.

8 CARD READER LOCATION. REFER TO ROUGH-IN DETAILS.

9 DATA/COMMUNICATIONS OUTLET. PROVIDE FOUR GANG BOX WITH SINGLE GANG PLASTER RING. EXTEND 1" CONDUIT STUBBED TO ABOVE ACCESSIBLE CEILING SPACE.

10 PROVIDE ¾"X4'X8' FIRE TREATED BACKBOARD MOUNTED HORIZONTALLY AROUND THE PERIMETER OF IT ROOM. PAINT TO MATCH WALLS WITH FIRE RETARDANT PAINT. REFER TO LEED REQUIREMENTS IN SPECIFICATIONS FOR PLYWOOD REQUIREMENTS.

11 PROVIDE (2) 4" CONDUITS AND (3) 2" CONDUITS FOR SPECIAL SYSTEMS ACCESS TO CABLE TRAYS. TYPICAL FOR ALL CLASSROOMS.

12 EXISTING INTRUSION ALARM CONTROL PANEL SHOWN FOR REFERENCE..

13 FIRE ALARM ANNUNCIATOR PANEL BY OWNER. CONDUIT INTERCONNECTIONS AND PANEL CAN INSTALLATION BY CONTRACTOR. PROVIDE DEDICATED 120V CIRCUIT. INSTALL ADDITIONAL BACK BOX FOR REMOTE MICROPHONE. COORDINATE ALL REQUIREMENTS WITH OWNER IN FIELD. EXTEND 1"" CONDUIT TO NEAREST FATC.

14 FIRE ALARM CONTROL PANEL BY OWNER. CONDUIT INTERCONNECTIONS AND PANEL CAN INSTALLATION BY CONTRACTOR. PROVIDE DEDICATED 120V CIRCUIT.. COORDINATE ALL REQUIREMENTS WITH OWNER IN FIELD. EXTEND 1"" CONDUIT TO NEAREST FATC.

15 MOTION SENSOR. PROVIDE SINGLE GANG BACKBOX WITH SINGLE GANG PLASTER RING. INTERCONNECT DEVICES WITH 3/4" CONDUIT. EXTEND 1" CONDUIT HOMERUN CONTINUOUS BACK TO SECURITY ALARM PANEL.

16 PROVIDE CONDUIT AND BOXES FOR ADA DOOR OPERATORS. COORDINATE PUSH PAD LOCATIONS WITH ARCHITECTURAL. MAKE ALL REQUIRED INTERCONNECTIONS PER MANUFACTURER FOR A COMPLETE AND OPERATIONAL INSTALLATION.

17 PROVIDE BACKBOXES FOR DOOR CONTACTS. COORDINATE WITH OWNER.

18 PENDANT MOUNT CAMERA AT 16' AFG. COORDINATE EXACT PLACEMENT WITH ARCHITECT AND OWNER PRIOR TO ROUGH IN. REFER TO DETAILS SHEET.

19 SYSTEM CABINETS BY SOUND AND SIGNAL. INSTALLED BY ELECTRICAL. REFER TO DETAIL SHEET. PROVIDE 120V CONNECTION TO CABINETS. COORDINATE LOCATION IN FIELD WITH CLEARANCES AND RACK EQUIPMENT.

20 PROVIDE (2) 4" CONDUITS FOR DATA AND TELECOM AND (3) 2" CONDUITS FOR FIRE ALARM, SECURITY AND INTERCOM SPECIAL SYSTEMS ACCESS TO CABLE TRAYS. IN ADDITION PROVIDE STUB UPS TO FLOOR ABOVE WITH SAME QUANTITY AND SIZE CONDUITS TO INTERCONNECT ASSOCIATED SPECIAL SYSTEMS CABINETS. COORDINATE WITH SOUND AND SIGNAL IN FIELD.

21. (E) INDICATES EXISTING DATA OUTLET TO REMAIN. SHOWN FOR REFERENCE ONLY.

22. EXTEND SPECIAL SYSTEMS CONDUITS INTO CORRIDOR FOR ALL OFFICES, CONFERENCE ROOMS, HUDDLE SPACES, WORK ROOMS, ETC.. PROVIDE PULL STRINGS.

23. PASSIVE INFRA RED MOTION SENSOR FOR DOOR OPERATOR. PROVIDE 4 SQUARE DEEP BOX WITH SINGLE GANG PLASTER RING. COORDINATE ROUGH-IN REQUIREMENTS WITH SOUND AND SIGNAL.

24. ACCESS BOLLARD. REFER TO ARCHITECTURAL AND APS REQUIREMENTS.

25. AXIS VIDEO DOOR STATION. COORDINATE WITH MANUFACTURER AND SOUND AND SIGNAL FOR ROUGH-IN REQUIREMENTS.

26. AXIS CONTROL STATION. COORDINATE WITH MANUFACTURER AND SOUND AND SIGNAL FOR ROUGH-IN REQUIREMENTS. EXTEND 1" CONDUIT TO ACCESSIBLE CEILING SPACE WITH PULL STRING.

27. PROVIDE ROUGH-IN FOR INTERCOM HAND SET. COORDINATE WITH SOUND AND SIGNAL.

28. PROVIDE NEW POWER/DATA FLOOR BOX. REFER TO POWER PLAN FOR SPECIFICAITON. PROVIDE DATA ACTIVATIONS PER APS IT DEPARTMENT.

A1 ET101 SPECIAL SYSTEMS FLOOR PLAN

0' 5' 10' 20' SCALE 3/32" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER

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Albuquerque, NM 87102

MARK	DATE	DESCRIPTION
2	02/19/2021	ADDENDUM #5
	01/11/2021	100% CD

ISSUE:

MANAGEMENT BLOCK

PROJECT NO: 507

CAD DWG FILE:

DRAWN BY: Author

CHECKED BY: Checker

SPECIAL SYSTEMS FLOOR PLAN

ET101

ADDENDUM No. 5
EXHIBIT 08

NOTE:

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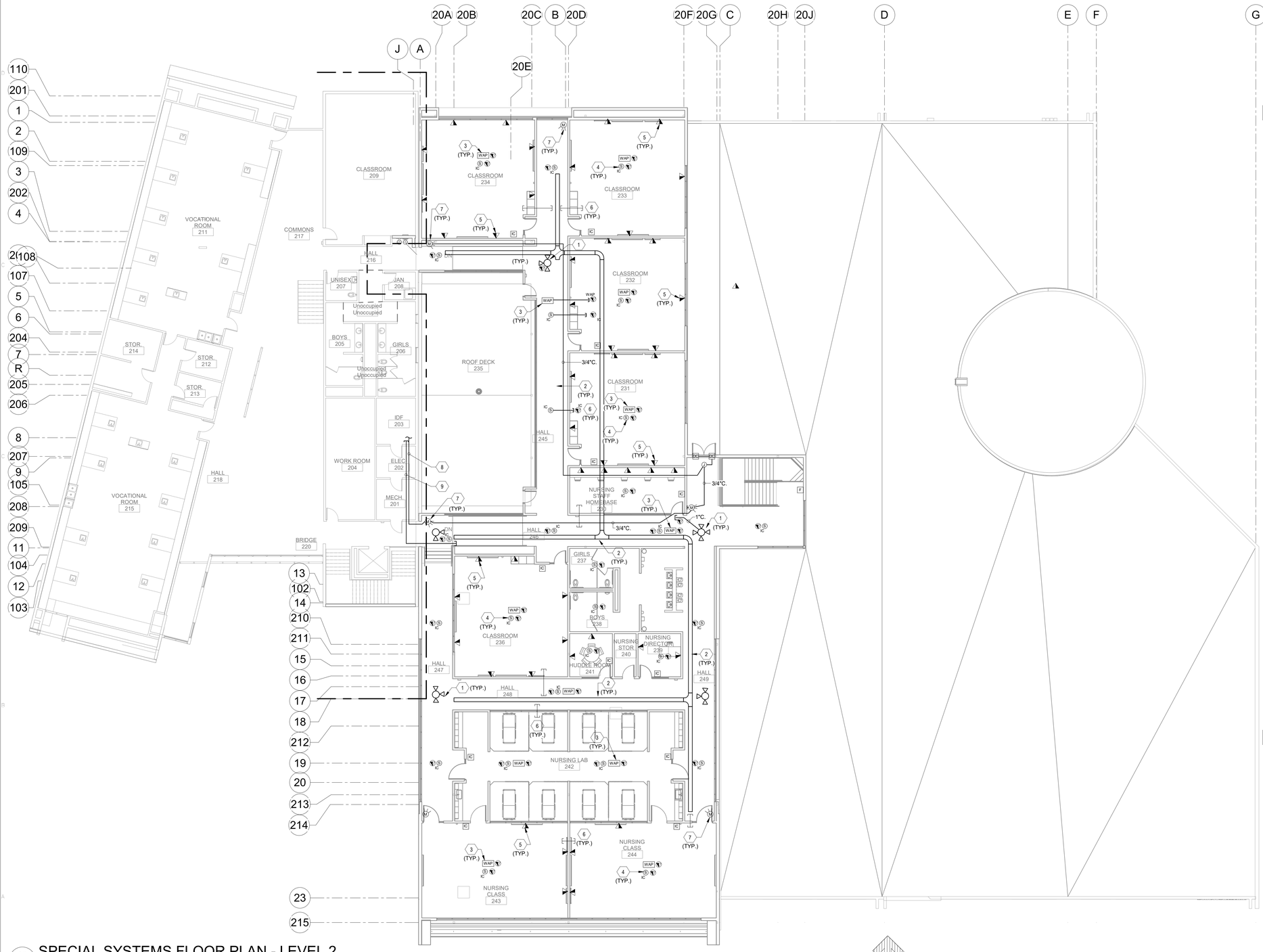

A1
ET102
SPECIAL SYSTEMS FLOOR PLAN - LEVEL 2

0' 5' 10' 20' SCALE 3/32" = 1'-0"

KEYPLAN

GENERAL SHEET NOTES

A. XXXX

A. IT WILL BE THE CONTRACTOR'S OBLIGATION TO INCLUDE, IN THEIR BID, THE COSTS FOR INSTALLING JUNCTION BOXES, PROVIDING MISCELLANEOUS COVERS, WORK WITH OTHER DISCIPLINES WHERE THE CONTRACT INVOLVES ELECTRICAL POWER OR CONTROL CONNECTIONS, SWITCHES, ETC. ALL OF THIS WORK SHALL BE PART OF THIS CONTRACT.
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H. REFER TO POWER PLANS FOR DETAILED LAYOUTS OF ELECTRICAL GEAR.
I. WHEREVER REQUIRED, FURNISH AND INSTALL ON WALL OR CEILING FREESTANDING UNISTRUT CHANNELS, ANGLE IRONS OR ANY OTHER SUPPORT STRUCTURE WITH THREADED ROD HANGERS AS REQUIRED FOR THE SUPPORT OF ELECTRICAL EQUIPMENT OF ANY KIND TO ENSURE PROPER INSTALLATION.
J. ALL HOME RUN CIRCUITING TO PANELS SHALL BE .75" CONDUIT, MINIMUM.
K. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL TIE HANDLES ON ALL CIRCUIT BREAKERS SHARING A NEUTRAL CONDUCTOR PER THE NEC.
L. MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES FOR EXACT HEIGHT REQUIRED. THIS REQUIREMENT ALSO APPLIES TO THE LOCATION OF WALL BOXES FOR HVAC SENSORS, T-STATS, ETC. ANY THIS NOTE APPLIES TO ALL ELECTRICAL SHEETS IN THESE DRAWINGS: OUTLET DEVICES THAT HAVE TO BE RELOCATED DUE TO COUNTERTOP, CHALKBOARD, TACKBOARD, TYPE CONFLICTS WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
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4 PROVIDE BACKBOX FOR CALL IN SWITCH AND INTERCONNECT .75" CONDUIT TO SPEAKER.

5 DATA/COMMUNICATIONS OUTLET. PROVIDE FOUR GANG BOX WITH SINGLE GANG PLASTER RING. EXTEND 1" CONDUIT STUBBED TO ABOVE ACCESSIBLE CEILING SPACE.

6 PROVIDE (2) 4" CONDUITS AND (3) 2" CONDUITS FOR SPECIAL SYSTEMS ACCESS TO CABLE TRAYS. TYPICAL FOR ALL CLASSROOMS.

7 MOTION SENSOR. PROVIDE SINGLE GANG BACKBOX WITH SINGLE GANG PLASTER RING. EXTEND 1" CONDUIT CONTINUOUS BACK TO SECURITY ALARM PANEL.

8. EXTEND 3/4" CONDUIT TO EXISTING INTRUSION ALARM TERMINAL CAN. COORDINATE WITH SOUND AND SIGNAL.

9. EXTEND (2) 2" CONDUITS FOR INTERCOM ACCESS TO EXISTING IDF 2203. COORDINATE WITH SOUND AND SIGNAL.

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ISSUE:

MANAGEMENT BLOCK

PROJECT NO: 507
CAD DWG FILE:
DRAWN BY: Author
CHECKED BY: Checker

SPECIAL SYSTEMS SECOND FLOOR PLAN

ET102

ADDENDUM No. 5
EXHIBIT 09